MPE/RF EXPOSURE EVALUATION REPORT

FROM

MiCOM Labs
opening wireless markets

Evaluation of: Silver Spring Networks LNIC

to

To: FCC CFR 47 Part 15 RF Exposure requirements

Test Report Serial No.: SSNT136 MPE Rev A

This report supersedes: NONE

Applicant:	Silver Spring Networks 230 W Tasman Dr San Jose, California 95134 USA
Product Function:	Modular radio device, will communicate over 900 MHz.
Issue Date:	3rd May 2017

This Test Report is Issued Under the Authority of:

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1. MAXIMUM PERMISSABLE EXPOSURE

Calculations for Maximum Permissible Exposure Levels
Power Density = Pd (mW/cm^2) = $EIRP/(4*\pi*d^2)$
EIRP = P * G
P = Peak output power (mW)
G = Antenna numeric gain (numeric)
d = Separation distance (cm)
Numeric Gain = 10 ^ (G (dBi)/10)

Because the EUT belongs to the General Population/Uncontrolled Exposure the limit of power density is 0.6 mW/cm^2

These calculations represent worst case in terms of the exposure levels.

Freq. Band (MHz)	Ant Gain (dBi)	Numeric Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Calculated Safe Distance @ 0.6 mW/cm^2	Calculated Power Density @ 20cm	Minimum Separation Distance (cm)
902.0 – 928.0	0.0	1.00	23.77	238.23	5.62	0.047	20.0

Note: for mobile or fixed location transmitters the minimum separation distance is 20cm, even if calculations indicate the MPE distance to be less.

Specification
Maximum Permissible Exposure Limits

FCC §1.1310 Limit = f/1500 from 1.310 Table 1 for devices operating in the 900 MHz band, where f = frequency in MHz

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